

## Author Index

- Abe, M. 287, 423  
 Adhikary, G. 335  
 Ananthapadmanabhan, K.P. 87  
 Andrade, J.D. 313  
 Arnebrant, T. 23  
 Askendal, A. 23
- Backlund, S. 121  
 Barat, B. 309  
 Basu, R. 1, 309  
 Baszkin, A. 357, 367  
 Bergenstahl, B. 129  
 Bouwer, E.J. 5  
 Brash, J.L. 165  
 Burgess, D.J. 297  
 Busscher, H.J. 401
- Carson, R. 87  
 Chandra, S. 335  
 Chowdhury, P.B. 327  
 Corredig, M. 411  
 Cottin, I. 111  
 Couvreur, P. 349
- Dagleish, D.G. 411  
 Das, S. 309  
 Dei, L. 433  
 Déjardin, P. 111  
 Demé, B. 357, 367  
 Dengis, P.B. 199  
 Dey, S. 309  
 DiCosmo, F. 45  
 de Graaff, J. 401  
 de Soet, J.J. 401
- Elwing, H. 23  
 Enhorning, G. 159  
 Eriksson, F. 121
- Feng, L. 313  
 Ferrier, D. 349  
 Ferroni, E. 433  
 Fujimoto, K. 231, 267, 275
- Galisteo, F. 375, 389  
 Geertsema-Doornbusch, G.I. 401  
 Gerin, P.A. 199  
 Ghosh, A.K. 1, 309  
 Giese, R.F. 185
- Handa, H. 231  
 Harig, H. 251  
 Hlady, V. 65  
 Hult, K. 129
- Ikada, Y. 221  
 Inomata, Y. 231  
 Ishigami, Y. 341  
 Ishiguro, R. 341  
 Ivanova, M.G. 213  
 Ivanova, T. 213
- Jansson, M. 129  
 Jones, M.N. 151  
 Jozefonvicz, J. 165
- Kanerva, L.T. 121  
 Karlsen, J. 33  
 Kasuya, Y. 231  
 Kaszuba, M. 151  
 Kato, K. 221  
 Kawaguchi, H. 231, 267, 275  
 Khamlichi, S. 165  
 Kitano, H. 259  
 Kowalczyńska, H.M. 137  
 Kulkarni, S.B. 77
- Lam, R.T-T. 55  
 Lassen, B. 173  
 Lawrence, M.J. 97  
 Lin, Y.S. 65  
 Luckham, P.F. 327  
 Lyklema, J. 5, 191  
 Lyle, I.G. 151
- Malcolmson, C. 97  
 Malmsten, M. 173  
 Manosroi, A. 287, 423  
 Manosroi, J. 287, 423  
 Matsumoto, M. 341  
 Muller, D. 165
- Naim, J.O. 185  
 Nakahara, H. 341  
 Nandy, P. 1, 309  
 Nayak, N.P. 309  
 Nicholov, R. 45  
 Nishiya, T. 55  
 Norde, W. 5, 191, 375, 389  
 Nygren, H. 243
- Olivier, J.-C. 349  
 Osman, M. 341
- Panaiotov, I. 213
- Raneva, V. 213  
 Rantala, M. 121  
 Rao, P. 159  
 Rijnaarts, H.H.M. 5, 191  
 Rogalska, E. 213  
 Rölla, G. 33  
 Rosilio, V. 357, 367  
 Rouxhet, P.G. 199  
 Rykke, M. 33
- Sano, S. 221  
 Sano, Y. 341  
 Sarti, G. 433  
 Schilling, K.M. 87  
 Schneider, Th. 251  
 Sekiguchi, A. 287  
 Sen, P.C. 335  
 Serres, A. 165  
 Shiroya, T. 267, 275  
 Sikdar, R. 335  
 Skagerlind, P. 129

- |                        |                         |                        |
|------------------------|-------------------------|------------------------|
| Smistad, G. 33         | Veregin, R.P.N. 45      | Yamauchi, H. 287, 423  |
| Somasundaran, P. 87    | Verger, R. 213          | Yasui, M. 267, 275     |
| Tamura, N. 267         | van der Mei, H.C. 401   | Yelloji Rao, M.K. 87   |
| Tanimoto, S. 259       | van Oss, C.J. 185       | Yoon, J.K. 297         |
| Taverna, M. 349        | van Raamsdonk, M. 401   | Yoshida, A. 423        |
| Vargha-Butler, E.I. 77 | Wahlgren, M. 23         |                        |
| Vauthier, C. 349       | Welin-Klintström, S. 23 | Zehnder, A.J.B. 5, 191 |
|                        | Wu, W. 185              |                        |



ELSEVIER

Colloids and Surfaces B: Biointerfaces 4 (1995) 441–442

COLLOIDS  
AND  
SURFACES

B

## Subject Index

- Acetone, 159  
*Actinomyces naeshundii*, 87  
Adhesion, 137  
Adsorption, 23, 111, 173, 185, 349, 357, 367  
Adsorption isotherm, 375  
Affinity particle, 231  
Albumin, 165, 185  
Alumina, 251  
Antibody adsorption, 401  
Antigen–antibody reactions, 243, 259  
Aqueous contents mixing, 55  
Asialo-orosomucoid, 349  
Aspirin, 309
- Bacterial adhesion, 5, 191  
Bilayer lipid membranes, 433  
Binding kinetics, 259  
Biomaterial, 251  
Biosurfactant, 341  
Bovine serum albumin, 45
- Capillary, 111  
Carbon, 313  
Carboxymethyl chitin, 55  
 $\kappa$ -Casein, 327  
Cell adhesion, 137  
Cell–substratum adhesion, 137  
Cell surface polymers, 191  
Charge density gradient surfaces, 65  
Chemical functions, 199  
Chloroform, 159  
Chloroquine sulphate, 1  
Chlorpromazine, 335  
Cholesterol, 297, 357, 367  
Cholesteryl-pullulan, 357, 367  
Complexing agent, 185  
Cyclic tension–compression loading, 251
- Deposition, 401  
Desorption, 65, 185, 375  
Differential microcalorimetric study, 411  
Diffusion, 357  
Displacement, 129
- DLVO interaction, 5  
Drug bound lipid, 1
- Electrical properties, 433  
Electrokinetic properties, 87  
Electron spin resonance, 45  
Electrostatic interactions, 221  
Ellipsometry, 173  
Emulsion stability, 297  
Encapsulation capacity, 77  
Encapsulation efficiency, 77  
Enzymatic activity, 275  
Enzyme, 129  
Enzyme activity, 267  
Enzyme catalysis, 121  
Erythrocyte ghost, 55  
Esterification, 121
- Fibrinogen, 23  
Flowing solution, 111  
Fluorescence spectroscopy, 1, 309  
Functionalized silicas, 165
- Gelatin hydrogel, 221  
Glycolipids, 287  
Glycoprotein IIb/IIIa, 231  
GRGDS, 231  
Graft polymerization, 221
- Halothane, 433  
Hydrophobicity of drug, 77
- IgG, 165  
Inorganic oxides, 185  
Interaction, 129  
Interaction forces, 327  
Interfacial properties, 297  
Intralipid<sup>TM</sup>, 213  
Ionic surface, 221  
Isoelectric point, 191
- L1210 cells, 137  
Langmuir measurements, 129  
Lectin-bearing liposomes, 151  
Lipid bilayer, 287

- Lipid mixing, 55  
Lipid monolayer, 259  
Lipid ordering, 1, 309  
Liposomes, 335, 423  
Lower critical solution temperature, 267, 275
- Mangostin, 423  
Membrane fluidity, 1, 309  
Methanol, 159  
Mica, 327  
Microbial adhesion, 401  
Microemulsion-based gels, 121  
Microscopic-viscosity, 423  
MLV liposomes, 77  
Molecular interactions, 287  
Molecular motion, 45  
Monolayers, 341, 357, 367  
Multiple internal reflection fluorescence method, 259
- Nanoparticle, 349  
Non-ionic oil-in-water microemulsions, 97  
Non-ionic surfactant, 23  
Notch factor, 251
- Oil-in-water emulsions, 411  
Orosomucoid, 349
- Parallel plate flow chamber, 401  
Parotid saliva, 33  
Particle size analysis, 297  
Perfluorocarbon, 297  
Permeability, 423  
Phase transition, 335  
Phosphatidylcholine, 335  
Phospholipids, 173, 287, 297  
Photon correlation spectroscopy, 33  
Plasma proteins, 313  
Pluronic F68, 297  
Polymer adsorption, 191  
Polyoxyethylene ether surfactants, 97  
Poly(isobutylcyano acrylate), 349  
Poly(*N*-isopropylacrylamide), 275  
Poly(styrenesulphonate) latices, 375, 389  
Protein adsorption, 45, 221, 313, 375, 389  
Proteins, 173, 185  
Proton titration, 389  
Purification, 231
- Real-time recording, 243  
Reproducibility, 199  
Reversibility, 5  
Ribonuclease A, 65  
Rod micelles, 341
- Salivary micelles, 33  
Salivary proteins, 33  
Selective targeting, 151  
 $\beta$ -Sheet formation, 341  
Sialic acid, 349  
Silica, 313  
Skin bacteria, 151  
Slit, 111  
Solubilization, 423  
Soybean lecithin, 121  
Spacer-particle, 231  
Spin-labelled protein, 45  
Statistical model, 243  
Stearylamine liposomes, 55  
Steric interactions, 5  
Steric stabilization, 191  
Steroids, 77  
*Streptococcus sanguis*, 87  
*Streptococcus sobrinus*, 401  
Styrene copolymer modification, 137  
Succinyl concanavalin A, 151  
Surface contamination, 199  
Surface degradation, 199  
Surface modification, 137  
Surface potential, 213, 367  
Surface pressure, 213  
Surface sulfonation, 137  
Surface sulfonic groups, 137  
Surface tension, 357  
Surfactin, 341  
Surface transformation, 213
- Tear fluid, 159  
Thermoelastic effect, 251  
Thermometry, 251  
Thermosensitive hydrogel microsphere, 267  
Total internal reflectance spectroscopy, 173  
Total internal reflection fluorescence, 65  
Transmission electron microscopy, 33  
Trypsin, 275  
Two-dimensional electrophoresis, 313
- Water, 159  
Wettability gradient surface, 23  
Wheat germ agglutinin, 151  
Whey proteins, 411
- X-ray photoelectron spectroscopy, 199
- Yeast, 199
- Zeta potentials, 33